

Substitute for form 1449/PTO				<b>Complete If Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				Application Number	10/617,038
				Filing Date	July 11, 2003
				First Named Inventor	Andersen et al
				Group Art Unit	1614 1645
				Examiner Name	SWARTZ
Sheet	1	of	1	Attorney Docket Number	SSISAUSA

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<i>R.P.S.</i>	MM	SINIGAGLIA ET AL, "A Malaria T-Cell Epitope Recognized in Association with Most Mouse and Human MHC Class II Molecules", Nature, Vol. 336, 6201, pp. 778-780, (December 22-29, 1988)			
Examiner Signature	<i>R.P.Sward</i>		Date Considered	10-19-05	

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<b>U.S. PATENT DOCUMENTS</b>							
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number-Kind Code <sup>2</sup> (if known)					
<i>DS</i>	A	US-2003-0036638	A1	02-20-2003	Joergensen et al		
	B	US-6,649,170	B1	11-18-2003	Lindblad et al		
<b>FOREIGN PATENT DOCUMENTS</b>							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					
<i>DS</i>	C	PCT	01/23388	A3	04-05-2001	Darrow	
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<i>1645</i>		Group Art Unit	1645
<i>BWartz</i>		Examiner Name	BWartz
Sheet	2	of	3
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		SS15AUSA	

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<i>QWJ</i>	D	SAMBROOK ET AL, molecular cloning, A laboratory manual, Cold Spring Harbor Laboratories, NY, (1989) XP-002091112		
	E	Anon. Global Tuberculosis Control, WHO Report. (2001)		
	F	BRANDT ET AL, ESAT-6 Subunit Vaccination against Mycobacterium Tuberculosis, Infection and Immunity, Vol. 68, No. 2, pp. 791-795 (Feb. 2000)		
	G	BOON ET AL, Journal of Bacteriology, Vol. 183, No. 8 pp. 2672-2676, (April 2001)		
	H	DOHERTY ET AL, Immune Responses to the Mycobacterium Tuberculosis-Specific Antigen ESAT-6 Signal Subclinical Infection among Contacts of Tuberculosis Patients, Journal of Clinical Microbiology, Vol. 40, No. 2, pp. 704-706, (February 2002)		
	I	FLORCZYK ET AL, Identification and Characterization of Mycobacterial Proteins Differentially Expressed under Standing and Shaking Culture Conditions, Including Rv2623 from a Novel Class of Putative ATP-Binding Proteins, Infection and Immunity, Vol. 69, No. 9, pp. 5777-5785, (September 2001)		
	J	HARBOE ET AL, B-Cell Epitopes and Quantification of the ESAT-6 Protein of Mycobacterium Tuberculosis, Infection and Immunity, Vol. 66, No. 2, pp. 717-723, (February 1998)		
	K	MANGANELLI ET AL, The Mycobacterium Tuberculosis ECF Sigma Factor $\sigma^E$ : Role in Global Gene Expression and Survival in Macrophages, Molecular Microbiology, Vol. 41, No. 2, pp. 423-437, (May 2001)		
	L	MONAHAN ET AL, Differential Expression of Mycobacterial Proteins Following Phagocytosis by Macrophages, Microbiology, 147, pp. 459-471, (2001)		
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RP	M	RAVN ET AL, Human T Cell Responses to the ESAT-6 Antigen from Mycobacterium Tuberculosis, The Journal of Infectious Diseases, 179, pp. 637-45, (1999)				
	N	ROSENKRANDS ET AL, Identification and Characterization of a 29-Kilodalton Protein from Mycobacterium Tuberculosis Culture Filtrate Recognized By Mouse Memory Effector Cells, Infection and Immunity, Vol. 66, No. 6, pp. 2728-2735, (June 1998)				
	O	ROSENKRANDS ET AL, Hypoxic Response of Mycobacterium Tuberculosis Studied by Metabolic Labeling and Proteome Analysis of Cellular and Extracellular Proteins, Journal of Bacteriology, Vol. 184, No. 13, pp. 3485-3491, (July 2002)				
	P	SHERMAN ET AL, Regulation of the Mycobacterium Tuberculosis Hypoxic Response Gene Encoding $\alpha$ -Crystallin, PNAS, Vol. 98, No. 13, pp. 7534-7539, (June 19, 2001)				
	Q	SKJØT ET AL, Comparative Evaluation of Low-Molecular-Mass Proteins from Mycobacterium Tuberculosis Identifies Members of the ESAT-6 Family as Immunodominant T-Cell Antigens, Infection and Immunity, Vol. 68, No. 1, pp. 214-220, (January 2000)				
	R	VORDERMEIER ET AL, Correlation of ESAAT-6- Specific Gamma Interferon Production with Pathology in Cattle Following Mycobacterium Bovis BCG Vaccination against Experimental Bovine Tuberculosis, Infection and Immunity, Vol. 70, No. 6, pp. 3026-3032, (June 2002)				
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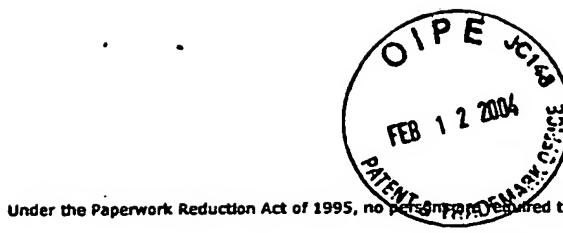
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<i>R.P.S.</i>	T	<b>MERRIFIELD</b> , Solid Phase Peptide Synthesis. I. The Synthesis of a Tetrapeptide, <i>J. Am. Chem. Soc.</i> , 85:2149, (July 20, 1963)			
<i>R.P.S.</i>	U	<b>PEARSON ET AL</b> , Improved Tools for Biological Sequence Comparison, <i>Proc. Natl. Acad. Sci.</i> , Vol. 85, pp. 2444-2448, (April 1988)			
<i>R.P.S.</i>	V	<b>ROLPH ET AL</b> , Recombinant Viruses as Vaccines and Immunological Tools, <i>Curr. Opin. Immunol.</i> 9:517-24, (1997)			
<i>R.P.S.</i>	W	<b>ULMER ET AL</b> , Polynucleotide Vaccines, <i>Curr. Opin. Invest. Drugs</i> , 2(9):983-989 (1993)			
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	X	<b>COTE-SIERRA ET AL</b> , A New Membrane-bound OprI lipoprotein Expression Vector High Production of Heterologous Fusion Proteins in Gram (-) Bacteria and the Implications for Oral Vaccination, Gene 221 pp. 25-34, (August 10, 1998)		
	Y	<b>GOSSELIN ET AL</b> , Enhanced Antigen Presentation Using Human Fc $\gamma$ Receptor (Monocyte/Macrophage)-Specific Immunogens, The Journal of Immunology, Vol. 149, No. 11, pp. 3477-3481 (December 1, 1992)		
	Z	<b>HÖNER ZU BENTRUP ET AL</b> , Mycobacterial Persistence: Adaptation to a Changing Environment, Trends in Microbiology, Vol. 9, No. 12, pp. 597-605, (December 2001)		
	AA	<b>KILGUS ET AL</b> , Analysis of the Permissive Association of a Malaria T Cell Epitope with DR Molecules, The Journal of Immunology, Vol. 146, No. 1, pp. 307-315, (January 1, 1991)		
	BB	<b>KOHLER ET AL</b> , Continuous Cultures of Fused Cells Secreting Antibody of Predefined Specificity, Nature, Vol. 256 (5517):pp. 495-7, (August 7, 1975)		
	CC	<b>LOWRIE ET AL</b> , Therapy of Tuberculosis in Mice By DNA Vaccination, Nature, Vol. 400, pp. 269-271, (July 15, 1999)		
	DD	<b>LUSTIG ET AL</b> , Humoral and Cellular Responses to Native Antigen Following Oral and Parenteral Immunization with Lipid-Conjugated Bovine Serum Albumin, Cellular Immunology, 24, pp. 164-172, (June 1, 1976)		
	EE	<b>MCCAFFERTY ET AL</b> , Phage Antibodies: Filamentous Phage Displaying Antibody Variable Domains, Nature Vol. 348, pp. 552-554, (December 6, 1990)		
	FF	<b>MOWAT ET AL</b> , Immune-Stimulating Complexes Containing Quil A and Protein Antigen Prime Class I MHC-restricted T Lymphocytes In Vivo and are Immunogenic by the Oral Route, Immunology, 72, (3), pp. 317-322, (March 1991)		
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	GG	<b>NAGAI ET AL</b> , Isolation and Partial Characterization of Major Protein Antigens in the Culture Fluid of <i>Mycobacterium Tuberculosis</i> , <i>Infection and Immunity</i> , Vol. 59, No. 1, pp. 372-382, (January 1991)	
	HH	<b>STRYHN ET AL</b> , Peptide Binding Specificity of Major Histocompatibility Complex. Class I Resolved into an Array of Apparently Independent Subspecificities: Quantitation by Peptide Libraries and Improves Prediction of Binding, <i>Eur. J. Immunol.</i> 26, pp. 1911-1918, (August 1996)	
	II	<b>ROLPH ET AL</b> , Recombinant Viruses as Vaccines and Immunological Tools, <i>Curr. Opin. Immunol.</i> 9, 4, pp. 453-5, (August 1997)	
	JJ	<b>OLSEN ET AL</b> , Efficient Protection Against <i>Mycobacterium Tuberculosis</i> by Vaccination with a Single Subdominant Epitope from the ESAT-6 Antigen, 30, 6, pp. 1724-1732, (June 2000)	
	KK	<b>THOMPSON ET AL</b> , Clustal W: Improving the Sensitivity of Progressive Multiple Sequence Alignment Through Sequence Weighting, Position-Specific Gap Penalties and Weight Matrix Choice, <i>Nucleic Acids research</i> , Vol. 22, No. 22, pp. 4673-4680, (November 11, 1994)	
	LL	<b>VAN PINXTEREN ET AL</b> , Control of Latent <i>Mycobacterium Tuberculosis</i> Infection is Dependent on CD8 T Cells, <i>Eur. J. Immunol.</i> 30, 12, pp. 3689-3698, (December 2000)	

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